

HIGH-DEFINITION CATHODE RAY TUBE AND ELECTRON GUN

ABSTRACT OF THE DISCLOSURE

A high-definition CRT is provided having an electron gun to produce high beam current without increasing spot size and to provide lower electrical power requirements at high beam-modulation frequencies. The electron gun includes three electrodes having clusters of apertures to allow collimation of the electron beam from a cathode. The main lens is operated to focus a parallel beam of electrons on a display screen. Methods for manufacturing by mechanical or semiconductor methods are also provided.